

Amendments to the specification

It is requested that paragraph [0022] be amended to read as follows:

[0022] A more preferred group of phosphorus-containing additives includes phosphates and phosphonates having either one or two phosphorus atoms per molecule includes:

Tricresyl phosphate, Trixylyl phosphate, Butylated triphenyl phosphate, Isopropylated triphenyl phosphate, Triphenyl phosphate, Triethyl phosphate, Tris(2-ethylhexyl) phosphate, Dimethylpropyl phosphonate, Isodecyl diphenyl phosphate, Cresyl diphenyl phosphate, tri-n-butyl phosphate, tri-isobutyl phosphate, Tributoxyethyl phosphate, Resorcinol bis(diphenyl phosphate), Bisphenol A bis(diphenyl phosphate), 2,6,7-Trioxa-1-phosphabicyclo[2.2.2] octane-4-methanol, 1-oxide, and Diethyl ethyl phosphonate,

It is requested that paragraph [0033] be amended to read as follows:

[0033] The flame retardant in Example 1 was a mixture of 49% 2-ethylhexyltetrabromobenzoate 49% an isopropylated triphenylphosphate 2% 3',4'-epoxycyclohexylmethyl 3,4-epoxycyclohexanecarboxylate also known as: 7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid sold as ERL-4221 sold by Union Carbide Corporation.

It is requested that paragraph [0037] be amended to read as follows:

[0037] The formulations of the foam samples tested include the flame retardant blends listed together with, tolylene diisocyanate.

Table 2

	Example 2	Example 3	Example 4	Example 5
Polyether <i>Polyol (56.6 OH</i>	100.0 parts	100.0	100.0	100.0
Flame Retardant	21	21	21	21
Water	6.1	6.1	6.1	6.1
Amine Catalyst ^(b)	0.50	0.50	0.50	0.50
Silicone Surfactant ^(c)	1.0	1.0	1.0	1.0
Tin Catalyst ^(d)	0.26	0.26	0.26	0.26
TDI (111 Index) ^(e)	75.5	75.5	75.5	75.5
Friability ^(f)	5	2	4	1

Flame Retardants:

Example 2: (prior art) 49% 2-ethylhexyltetrabromobenzoate and 49% an isopropylated triphenylphosphate

Example 3: 49% 2-ethylhexyltetrabromobenzoate, 49% an isopropylated triphenylphosphate and 2% 3',4'-epoxycyclohexylmethyl 3,4-epoxycyclohexanecarboxylate also known as: 7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid sold as ERL-4221 sold by Union Carbide Corporation.

Example 4: 49% Pentabromodiphenyl ether and 49% an isopropylated triphenylphosphate

Example 5 (~~prior art~~): 49% Pentabromodiphenyl ether, 49% an isopropylated triphenylphosphate and 2% 3',4'-epoxycyclohexylmethyl 3,4-epoxycyclohexanecarboxylate also known as: 7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid-sold as ERL-4221 sold by Union Carbide Corporation.

- (a) 56.6 hydroxyl number polyol prepared from polyethylene oxide having a molecular weight of 3000
- (b) Dabco 826 amine catalyst Air Products & Chemicals, 7201 Hamilton Boulevard, Allentown, PA 18195 United States
- (c) Osi L-620 silicone surfactant, a polyalkylene oxide-methyl siloxane co-polymer. Crompton Corporation, One American Lane, Greenwich, CT, 06831, United States
- (d) stannous octoate catalyst
- (e) toluene diisocyanate
- (f) The friability was measured according to the following criteria:

<u>Rating</u>	<u>Criteria</u>
1	Not Friable. (No crumbling of foam).
2-3	Slightly Friable. (Crumbling of foam, 1/16" of outer layer at most).
4-5	Moderately Friable. (Crumbling of foam, 1/8" of outer layer at most).
5-6	Friable (Crumbling of foam, 1/4" of outer layer at most).
6-7	Very Friable (Crumbling of foam, 1/2" of outer layer at most).
8-9	Extremely Friable. (Crumbling of foam, 1" of outer layer at most).
10	Completely Friable. (Crumbling of foam, anything over 1" of outer layer).

It is requested that paragraph [0039] be amended to read as follows:

[0039] A flexible polyurethane is prepared according to Example 1 wherein the flame retardant is 2-ethylhexyltetrabromobenzoate 20.6 parts by weight and 3',4'-epoxycyclohexylmethyl 3,4-epoxycyclohexanecarboxylate also known as: 7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 0.4 parts by weight. The resulting flexible polyurethane foam is entirely usable and free from scorch.

It is requested that paragraph [0040] be amended to read as follows:

[0040] A flexible polyurethane is prepared according to Example 1 wherein the flame retardant is isopropylated triphenylphosphate 20.6 parts by weight and 3',4'-epoxycyclohexylmethyl 3,4-epoxycyclohexanecarboxylate, also known as: 7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 0.4 parts by weight. The resulting flexible polyurethane foam is entirely usable and free from scorch.